

WHAT IS CLAIMED IS:

1. A fishing reel screw operation structure that is adapted to be attached to a reel unit of a fishing reel, comprising:

5 a screw-in portion adapted to be mounted to the reel unit, said screw-in portion having an outer threaded portion and a tubular portion that is integrally formed with said threaded portion; and

a cylindrical screw member mounted to said threaded portion and having an inner threaded portion on its inner peripheral surface, said inner threaded portion  
10 being configured to be screwed onto said outer threaded portion of said screw-in portion;

said tubular portion of said screw-in portion having a diameter that is larger than an inner diameter of said inner threaded portion of said screw member.

15 2. The fishing reel screw operation structure set forth in claim 1, further comprising

an operation member that is non-rotatably mounted to an outer peripheral surface of said screw member.

20 3. The fishing reel screw operation structure set forth in claim 2, wherein an outer diameter of said screw member is larger than an outer diameter of said tubular portion.

25 4. The fishing reel screw operation structure set forth in claim 2, wherein: a projection projecting in a radial direction is formed on an outer peripheral surface of said screw member; and

said operation member includes a recessed portion formed on its inner peripheral surface, such that said recessed portion engages with said projection of said screw member, and said operation member rotates together with said screw member.

30 5. The fishing reel screw operation structure set forth in claim 2, wherein

said operation member is integrally formed with said screw member, said operation member having a lever that projects in a radial direction from the outer peripheral surface of said screw member.

5           6.       The fishing reel screw operation structure set forth in claim 2, wherein said operational member is a closed-end cylindrical member.

7.       The fishing reel screw operation structure set forth in claim 2, wherein:  
said screw-in portion is configured to be mounted so as to project toward a  
10   rear portion of the reel unit of the spinning reel; and  
said operation member is an operation knob for a rear drag mechanism of the spinning reel.

8.       The fishing reel screw operation structure set forth in claim 2, wherein:  
15   said screw-in portion is configured to be mounted so as to project toward a side portion of a reel unit of a dual bearing reel; and  
said operation member is an operation knob for a casting control mechanism of the dual bearing reel.

20       9.       A spinning reel, comprising:  
a reel unit having a handle;  
a rotor rotatively supported on a front of said reel unit;  
a spool disposed on a front of said rotor so as to be reciprocal in front and rear directions along a spool shaft, fishing line being adapted to be wound around  
25   said spool; and  
a screw operation structure disposed within said reel unit and including  
a screw-in portion mounted within said reel unit, said screw-in portion having an outer threaded portion and a tubular portion that is integrally formed with said threaded portion;  
30   a cylindrical screw member mounted to said threaded portion and having an inner threaded portion on its inner peripheral surface, said inner threaded portion being screwed onto said outer threaded portion of said screw-in portion;

said tubular portion of said screw-in portion having a diameter that is larger than an inner diameter of said inner threaded portion of said screw member.

5           10.     The spinning reel set forth in claim 9, further comprising an operation member that is non-rotatably mounted to an outer peripheral surface of said screw member.

10           11.     The spinning reel set forth in claim 10, wherein an outer diameter of said screw member is larger than an outer diameter of said tubular portion.

15           12.     The spinning reel set forth in claim 10, wherein: a projection projecting in a radial direction is formed on an outer peripheral surface of said screw member; and said operation member includes a recessed portion formed on its inner peripheral surface, such that said recessed portion engages with said projection of said screw member, and said operation member rotates together with said screw member.

20           13.     The spinning reel set forth in claim 10, wherein said operation member is integrally formed with said screw member, said operation member having a lever that projects in a radial direction from the outer peripheral surface of said screw member.

25           14.     The spinning reel set forth in claim 10, wherein said operational member is a closed-end cylindrical member.

30           15.     The spinning reel set forth in claim 10, further comprising a cylindrical bush having a flange portion and being inserted over an outer periphery of said spool shaft; and friction plates disposed on both sides of said flange portion of said bush; said screw-in portion being mounted so as to project toward a rear portion of said reel unit; and

said operation member being configured to make said friction plates come into contact with each other.

16. The spinning reel set forth in claim 15, further comprising  
5 a coil spring disposed on an outer periphery of said spool shaft for urging said friction plates, and

a pushing portion that is integrally formed with said operation member and is linked with said coil spring, such that said coil spring is pressed when said operation member is operated.

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